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**Title:** JP8195194A2: SEPARATOR FOR SEALED LEAD-ACID BATTERY

**Country:** JP Japan

**Kind:** A

**Inventor:** HIRASHIMA TAKASHI;  
AZUMA TOKIHISA;  
ENDO HIDEO;

**Assignee:** NIPPON MUKI CO LTD  
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**Published / Filed:** 1996-07-30 / 1995-01-18

**Application Number:** JP1995000023375

**IPC Code:** H01M 2/16; D21H 13/40;

**Priority Number:** 1995-01-18 JP1995000023375

**Abstract:**

**PURPOSE:** To provide a separator for a sealed lead-acid battery having large tensile strength, rigidity, and liquid absorbing property, having little reduction of repulsion after an electrolyte is injected, and having the improved assembling work of an electrode plate group and battery characteristics.

**CONSTITUTION:** Fibril-like synthetic fibers 0.5-10wt.%, mono-filament-like acid-resistant glass fibers 10-20wt.% having the average fiber diameter 9-20 $\mu$ m and the fiber length 5-25mm, and acid-resistant glass fibers (acid-resistant glass wool) 70-94wt.% expressed by the equation  $R=4/Sg \times Ss$  and having the average fiber diameter 1 $\mu$ m or below are combined to obtain a separator having the specific surface area 1m<sup>2</sup>/g or above. In the equation, R is the average fiber diameter of glass fibers, Sg is the specific gravity of glass, and Ss is the specific surface area of glass fibers obtained by the BET method.

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**Family:** None

**Other Abstract Info:** CHEMABS 125(20)252937S CAN125(20)252937S DERABS C96-399174 DERC96-399174



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